

EQUIVDOC INC 'J01168972'

***** Item Number 1 of 1 *****

DESCRIP :: PATENT
TITLE :: Elastic processing agent imparting hydrophilic properties to fibers - c ontains copolymer emulsion obtd. from organopolysiloxane, (meth) acrylic monomer, hydrophilic monomer, etc.
ASSIGNEE :: NISSSHIN CHEM IND KK; SHINETSU CHEM IND KK
PACODE :: NISV ; SHIE
ACCNNO :: 229932
DATE :: Jul 04, 1989
ABSTRACT :: < BASIC> JP01168972 Fiber-treating agent contains copolymer emulsion as the main component. The copolymer emulsion is prep'd. by emulsion-polymerizing (A) mixt. of 5-95 pts. wt. oil-in-water emulsion of organopolysiloxane of formula (I) and 95-5 pts. wt. (B) monomer mixt. in the presence of a radical polymerization initiator. Mixt. (B) consists of 50-99 wt.% (b1) one or more kind of (meth)acrylic monomer of formula $\text{CH}_2 =\text{CR}_5\text{COOR}_6$ (II). 0-10 wt.% (b2) one or more polyfunctional monomers 1-20 wt.% (b3) one or more hydrophilic monomers and 0-20 wt.% (b4) monoethylenic unsatd. monomer. in total 100 wt.%. Monomer (b2) is selected from ethylenic unsatd. amide alkylol or alkoxyalkyl subst. cpd., oxirane gp.-contg. ethylenic unsatd. monomer, complete ester of polyvalent alcohol with (meth)acrylic acid, dibasic acid diallylester, allyl(meth)acrylate and divinylbenzene. Monomer (b3) is selected from ethylenic unsatd. monomer contg. carboxyl gp., OH, amide, amino, sulfonic acid, phosphoric acid, polyalkyleneoxide and quat. ammonium salt. In (I), R₁, R₂ and R₃ =1-20C monovalent hydrocarbon, monovalent halo-hydrocarbon; Y =radically reactive gp. and/or SH gp.-contg. organic gp.; X =H, monovalent lower alkyl or R₁R₂R₄Si; R₄ =as R₁ or Y; m =less than 10,000. In (II), R₅ = H or CH₃; R₆ = 1-18C alkyl or alkoxy-subst. alkyl. USE/ADVANTAGE - The processing agent is useful for fiber prods. The processing agent imparts cleaning resistance and durable flexibility, and good feeling with good impact resilience.
@(12pp Dwg.No.0/0)@
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